

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1. (Canceled)

Claim 2. (Previously Presented) The dewaxing additive according to Claim 11, wherein the proportion by weight of the monomer A in the total weight of the copolymer is 0.1-70%.

Claim 3. (Previously Presented) The dewaxing additive according to Claim 11, wherein at least 50% of the monomers B contain alkyl radicals R<sup>8</sup> of chain length greater than or equal to C<sub>16</sub>.

Claim 4. (Previously Presented) The dewaxing additive according to Claim 11, wherein the monomers of formula A consist of one or more monomers selected from the group consisting of styrene, butyl methacrylate, methyl methacrylate, 2-ethylhexyl methacrylate and mixtures thereof.

Claim 5. (Previously Presented) The dewaxing additive according to Claim 11, further comprising one or more homo- or copolymers which are polyalkyl methacrylates and have alkyl substituents of chain length C<sub>1</sub>-C<sub>24</sub>.

Claim 6. (Previously Presented) The dewaxing additive according to Claim 5, wherein the homo- or copolymers which are polyalkyl methacrylates have alkyl substituents of chain length C<sub>12</sub>-C<sub>18</sub>.

Claim 7. (Previously Presented) The dewaxing additive according to Claim 5, wherein a ratio of the copolymers and the homo- or copolymers which are polyalkyl methacrylates is 1:20 to 20:1.

Claim 8. (Previously Presented) The dewaxing additive according to Claim 5, wherein the homo- or copolymer is a polyalkyl methacrylate which contains up to 20% by weight of C<sub>1</sub>-C<sub>10</sub> methacrylates.

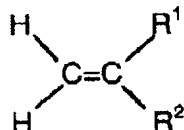
Claim 9. (Canceled)

Claim 10. (Canceled)

Claim 11. (Previously Presented) A dewaxing additive, comprising:

(i) in polymerized form, the following free-radically polymerizable monomers of Formulae A and B:

Formula A:



wherein

R<sup>1</sup> = H or CH<sub>3</sub>,

R<sup>2</sup> = phenyl, benzyl, naphthyl, anthranyl, phenanthryl, N-pyrrolidonyl, N-imidazolyl,

2-pyridyl, 4-pyridyl or an alkyl-substituted aromatic substituent or

R<sup>2</sup> = COOR<sup>3</sup> where R<sup>3</sup> = H or R<sup>3</sup> is a linear or branched alkyl radical of C<sub>1</sub>-C<sub>10</sub>

or

R<sup>3</sup> is a heteroatom-substituted radical -(CH<sub>2</sub>)<sub>n</sub>X where X = OH or X = N(R<sup>4</sup>)<sub>2</sub>

wherein n = 1-10 and R<sup>4</sup> is in each case independently H or R<sup>4</sup> = C<sub>1</sub>-C<sub>4</sub>-alkyl

or

$R^3$  is  $-(CH_2CH_2O)_mR^5$  wherein  $m = 1-90$  and  $R^5 = H$  or  $R^5 = C_1-C_{18}$  or  $R^3$  is a benzyl, phenyl or cyclohexyl radical

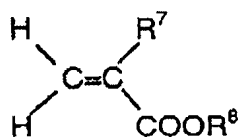
or

$R^2 = CONHR^6$  wherein  $R^6 = H$  or  $R^6$  is a linear or branched alkyl radical of  $C_1-C_{10}$

or

$R^6$  is a heteroatom-substituted radical  $-(CH_2)_nX$  where  $X = OH$  or  $X = N(R^4)_2$  wherein  $n = 1-10$  and  $R^4$  is in each case independently  $H$  or  $R^4 = C_1-C_4$ -alkyl;

Formula B:



wherein  $R^7 = H$  or  $CH_3$ , and

$R^8$  radical = linear or branched alkyl radicals of  $C_{12}-C_{40}$ , and,

(ii) a customary dewaxing additive.

Claim 12. (Previously Presented) The dewaxing additive according to Claim 11, which is a solution of the copolymer in an oil of the paraffinic or naphthenic type, or in an organic solvent.

Claim 13. (Currently Amended) The dewaxing additive according to Claim 12, wherein the organic solvent is selected from the group consisting of toluene, methyl-ethyl-ketone, xylene, and/or naphtha and mixtures thereof or wherein the organic solvent is propane.

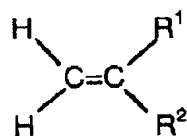
Claim 14. (Previously Presented) A method for solvent deparaffinization of paraffinic mineral oil distillates, comprising:

adding a dewaxing additive to said paraffinic mineral oil distillates, to obtain paraffin crystals; and

separating said paraffin crystals;

wherein said dewaxing additive comprises in polymerized form the following free-radically polymerizable monomers of Formulae A and B:

Formula A:



wherein

$\text{R}^1 = \text{H}$  or  $\text{CH}_3$ ,

$\text{R}^2 =$  phenyl, benzyl, naphthyl, anthranyl, phenanthryl, N-pyrrolidonyl, N-imidazolyl,

2-pyridyl, 4-pyridyl or an alkyl-substituted aromatic substituent or

$\text{R}^2 = \text{COOR}^3$  where  $\text{R}^3 = \text{H}$  or  $\text{R}^3$  is a linear or branched alkyl radical of  $\text{C}_1\text{-C}_{10}$

or

$\text{R}^3$  is a heteroatom-substituted radical  $-(\text{CH}_2)_n\text{X}$  where  $\text{X} = \text{OH}$  or  $\text{X} = \text{N}(\text{R}^4)_2$

wherein  $n = 1\text{-}10$  and  $\text{R}^4$  is in each case independently  $\text{H}$  or  $\text{R}^4 = \text{C}_1\text{-C}_4\text{-alkyl}$

or

$\text{R}^3$  is  $-(\text{CH}_2\text{CH}_2\text{O})_m\text{R}^5$  wherein  $m = 1\text{-}90$  and  $\text{R}^5 = \text{H}$  or  $\text{R}^5 = \text{C}_1\text{-C}_{18}$  or  $\text{R}^3$  is a benzyl,

phenyl or cyclohexyl radical

or

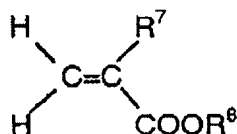
$\text{R}^2 = \text{CONHR}^6$  wherein  $\text{R}^6 = \text{H}$  or  $\text{R}^6$  is a linear or branched alkyl radical of  $\text{C}_1\text{-C}_{10}$

or

$R^6$  is a heteroatom-substituted radical  $-(CH_2)_nX$  where  $X = OH$  or  $X = N(R^4)_2$

wherein  $n = 1-10$  and  $R^4$  is in each case independently H or  $R^4 = C_1-C_4$ -alkyl;

Formula B:



wherein  $R^7 = H$  or  $CH_3$ , and

$R^8$  radical = linear or branched alkyl radicals of  $C_{12}-C_{40}$ , and,

optionally further customary dewaxing additives.

Claim 15. (Previously Presented) The method according to Claim 14, wherein the addition rate of the copolymer is 0.005-0.5%.

Claim 16-20. (Cancelled)

Claim 21. (Previously Presented) The dewaxing additive according to Claim 11, comprising:

a copolymer of behenyl acrylate and styrene.

Claim 22. (Previously Presented) The dewaxing additive according to Claim 11, comprising:

a copolymer of behenyl acrylate and at least one member selected from the group consisting of n-butyl methacrylate, isononyl methacrylate, and benzyl methacrylate.

Claim 23. (Previously Presented) The method according to Claim 14, comprising:

cooling said paraffinic mineral oil distillates to below  $-20^{\circ}\text{C}$ , thereby crystallizing said paraffin.

Claim 24. (Previously Presented) The method according to Claim 14, comprising:  
adding a solvent.

Claim 25. (Previously Presented) The method according to Claim 14, comprising:  
adding a solvent to said paraffinic mineral oil distillates, to obtain a solvent-paraffinic mineral oil mixture;

cooling the solvent-paraffinic mineral oil mixture thereby forming paraffin crystals which form a filter cake which is porous and permeable to a solvent-mineral oil mixture; and  
separating said paraffin crystals from said solvent-mineral oil mixture by filtration.

Claim 26. (Previously Presented) The method according to Claim 25, wherein said paraffin crystals grow epitaxially.

Claim 27. (Previously Presented) The method according to Claim 14, comprising:  
adding said dewaxing additive to said paraffinic mineral oil distillates at a temperature above the cloud point of said mineral oil.

Claim 28. (Previously Presented) The dewaxing additive according to Claim 11,  
consisting of:

a copolymer of behenyl acrylate and styrene.

Claim 29. (Previously Presented) The method according to Claim 14, comprising:

adding said dewaxing additive to said paraffinic mineral oil distillates, to obtain paraffin crystals;

separating said paraffin crystals; and

obtaining a deparaffinized mineral oil distillates.

Claim 30. (Canceled)

Claim 31. (New) The method according to Claim 14, wherein the proportion by weight of the monomer A in the total weight of the copolymer is 0.1-70%.

Claim 32. (New) The method according to Claim 14, wherein at least 50% of the monomers B contain alkyl radicals  $R^8$  of chain length greater than or equal to  $C_{16}$ .

Claim 33. (New) The method according to Claim 14, wherein the monomers of formula A consist of one or more monomers selected from the group consisting of styrene, butyl methacrylate, methyl methacrylate, 2-ethylhexyl methacrylate and mixtures thereof.

Claim 34. (New) The method according to Claim 14, said dewaxing additive further comprising one or more homo- or copolymers which are polyalkyl methacrylates and have alkyl substituents of chain length  $C_1$ - $C_{24}$ .

Claim 35. (New) The method according to Claim 34, wherein the homo- or copolymers which are polyalkyl methacrylates have alkyl substituents of chain length  $C_{12}$ - $C_{18}$ .

Claim 36. (New) The method according to Claim 34, wherein a ratio of the copolymers and the homo- or copolymers which are polyalkyl methacrylates is 1:20 to 20:1.

Claim 37. (New) The method according to Claim 34, wherein the homo- or copolymer is a polyalkyl methacrylate which contains up to 20% by weight of C<sub>1</sub>-C<sub>10</sub> methacrylates.

Claim 38. (New) The method according to Claim 14, wherein the dewaxing additive is a solution of the copolymer in an oil of the paraffinic or naphthenic type, or in an organic solvent.

Claim 39. (New) The method according to Claim 38, wherein the organic solvent is selected from the group consisting of toluene, methyl-ethyl-ketone, xylene, naphtha and mixtures thereof or wherein the organic solvent is propane.

Claim 40. (New) The method according to Claim 14, wherein the dewaxing additive comprises  
a copolymer of behenyl acrylate and styrene.

Claim 41. (New) The method according to Claim 14, wherein the dewaxing additive comprises  
a copolymer of behenyl acrylate and at least one member selected from the group consisting of n-butyl methacrylate, isononyl methacrylate, and benzyl methacrylate.

Claim 42. (New) The method according to Claim 14, wherein the dewaxing additive consists of:  
a copolymer of behenyl acrylate and styrene.